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# NASA Procedural Requirements

**COMPLIANCE IS MANDATORY****NPR 2810.1A**Effective Date: May  
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Request Notification of Change

(NASA Only)

**Subject: Security of Information Technology****Responsible Office: Office of the Chief Information Officer**

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## Chapter 4 Contracts, Grants, and Agreements

### 4.1 Contracts, Grants, and Agreements Overview

4.1.1 NASA shall refer to NIST SP 800-64, Security Considerations in the Information System Life Cycle, Appendix B for guidance on specifications, clauses, and appropriate text for contracts, grants, agreements, purchase orders, purchase-card buys, and inter-governmental orders.

4.1.2 Since FISMA applies to both information and information systems used by NASA, its support service contractors, and other organizations and sources, it has somewhat broader applicability than that of prior security laws. Therefore, the NASA IT Security Program and its requirements apply to all organizations (i.e., sources) which possess or use Federal or NASA information or which operate, use, or have access to Federal or NASA information systems on behalf of NASA. Such organizations include support service contractors, grantees, state and local governments, industry partners, partners under Space Act Agreements, International Partners, and agreements with universities and other educational entities and special volunteer partners whether funded or not funded.

### 4.2 Contract Instruments

4.2.1 The appropriate depth and breadth of security controls shall be documented in specific clauses and determined by the following factors:

- a. The potential risk and magnitude of harm to the program, system, or information.
- b. The complexity of the information systems including networked capabilities, number of users, and interconnected dependencies.
- c. The category and impact of the information, background screening requirements for access to the information, and redistribution restrictions governing the information.
- d. The adequacy and successful implementation of the POA&M process for correcting weaknesses in the system or program.

4.2.2 Clauses containing information and information system security requirements shall apply to all sub-contractors and all out-sourced IT services.

4.2.3 Clauses that identify information and information system security controls requirements shall be included in all solicitations and procurement and non-procurement instruments.

4.2.4 A contract clause shall be included to apply specific security controls to equipment that is acquired by a Federal contractor incidental to a Federal contract when Federal or NASA information is processed, stored, or handled within incidentally-acquired equipment.

4.2.5 A contract clause shall be included to detail NASA's specific authority and limitations to conduct IT security reviews and conduct investigation of suspected non-compliance with specified security controls and computer crimes.

4.2.6 A contract clause shall be incorporated requiring that all system administrators be certified in accordance with the NASA System Administrator Certification Program for the operating system(s) for which they are responsible.

4.2.7 Proposal evaluations and source evaluation boards shall have information and information system security as a critical element in the Mission Suitability (MS) Technical Approach (Subfactor-2) . 4.2.8 Contract instruments shall stipulate that the contractor delivers an IT Security Program Plan that describes the processes they utilize that are commensurate with NASA IT security requirements for protecting NASA information contained within their corporate systems, as well as meeting NPR 2810.1 requirements when the contractor is operating or managing NASA systems. Contents for this plan can be found in ITS-SOP-0018, Contract IT Security Program Plan Procedures.

### **4.3 Grants, Cooperative Agreements, and Special Volunteer Program Instruments**

4.3.1 Grants, cooperative agreements, and special volunteer program instruments that are conducting basic research utilizing publicly-available data are required to use this document solely as guidance to ensure that that IT security best practices are used.

4.3.2 Grant, cooperative agreement, and special volunteer program instruments with the requirements listed below shall utilize the language in the IT Security clause(s) to ensure security is appropriately addressed. The requirements are:

- a. Utilizing ACI or SBU information, proprietary information.
- b Performing remote control of space-based or sub-orbital assets.

c. Requiring hosting systems on NASA IP address space.

#### 4.4 Additional Contract, Grant, and Agreement Instruments References

a. NIST SP 800-35, Guide to IT Security Services.

b. NIST SP 800-36, Guide to Selecting Information Technology Security Products.

c. NIST SP 800-64, Security Considerations in the Information System Life Cycle.

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